troniT∧G

Nový způsob označování

Time for a snack!

MENU

Hotel Zum Hirschen
Welcome!

Chi Garden Resort

SEAT 12

Mr. Jones
troniTAG GmbH

0123456789012

Who is troniTAG?

troniTAG is your point of call for conversion to digital labels:
from retail to industry, we are your full service partner!

As a sister company of VKF Renzel and full service provider we can offer you a complete system consisting of hardware, programming and fixings from our own production. In addition we are at your side with knowledge and know-how to support you with good ideas for realising your project.

Retail, Industry, Logistics

Whether you're in high street retail, industry, logistics or a corner chemist - as a multisystem provider we can advise you which applications for digital labels are suitable for your business. We can ensure when looking for an appropriate system that the ESL solution is suited to your requirements. In addition we will support you to find the right fixings. Our team of programmers will look after the integration of our systems in your data landscape or will develop special tools for you. Together we will accompany you on your journey to digitalisation and all from 20 locations worldwide.

Digitalisation

Lead instead of follow!

Begin now with the digitalisation of your business and profit from tailor-made solutions that will make your value chain future orientated and highly competitive.

Processes will be optimised in that a quick information exchange makes for time saved, a reduction in errors and increased safety. Comfortable handling of even complex tasks is made possible.

| Realtime updates | Low costs | Central control |

If you want to digitalise then get in touch with us. We will be happy to advise you!
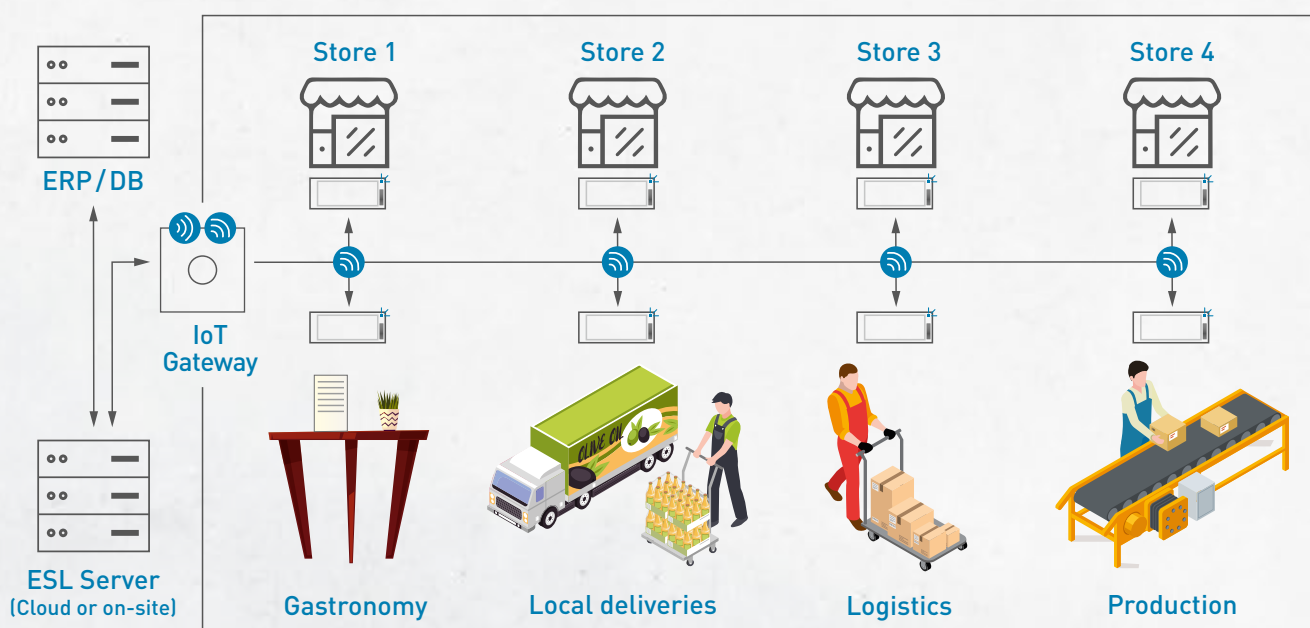
How do digital ePaper systems work?

With our digital ePaper labels, also known in retail as ESL labels, data and information can be brought to digital paper fully automated in the blink of an eye. New text and graphics at any time, cable free and encrypted, to display your products, stock levels, production processes or staff information. Define the design and content of your label from a PC and draw up layouts with pictures, text and scannable barcodes.

Connected to your stock management or ERP software, you can control content and templates on each label fully automated. In additiona customers and staff with NFC enabled devices such as smartphones or PDAs can call up further information from the ESL tag.
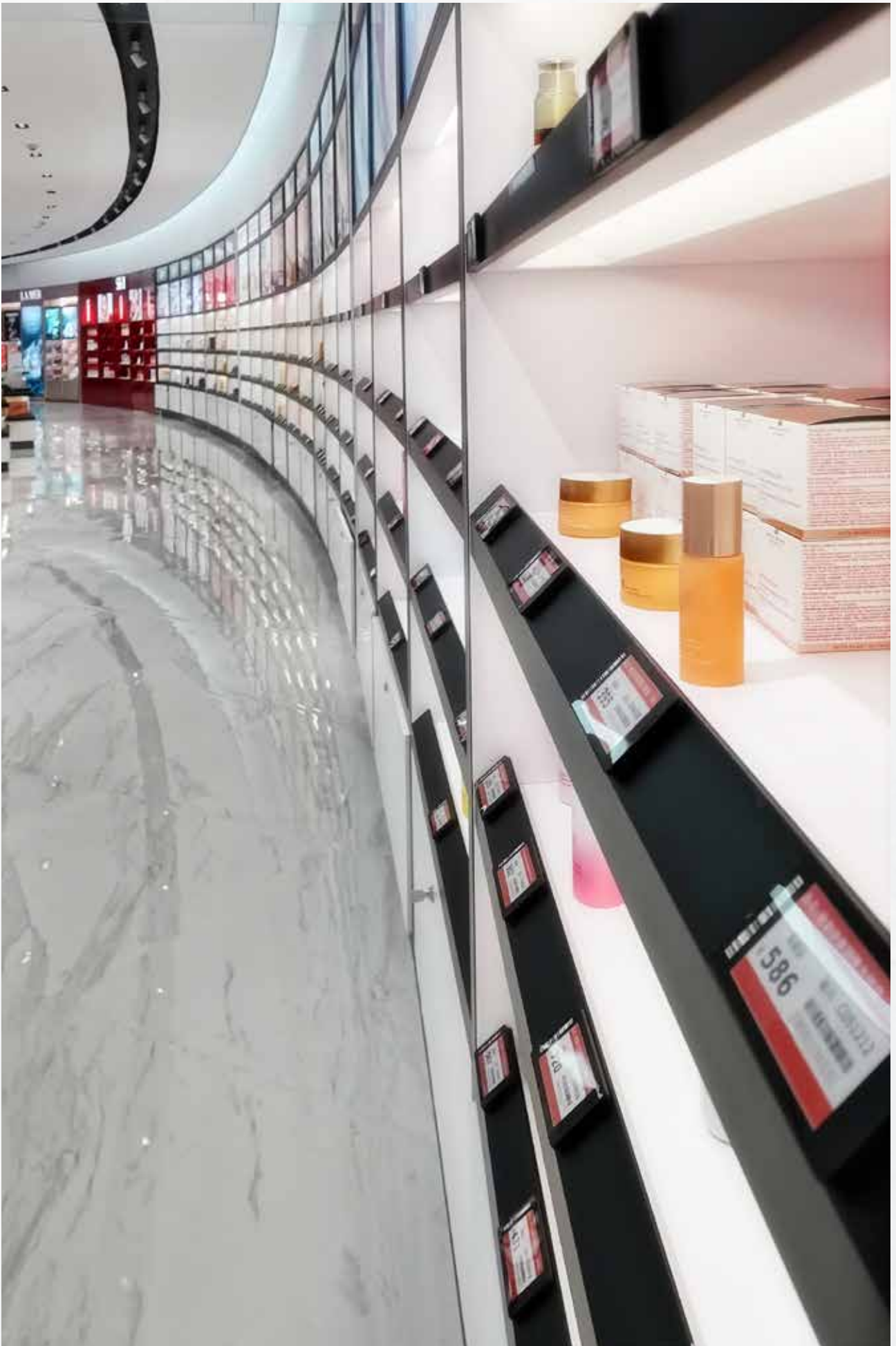
Monitor the system, even for multiple sites, from one central location.

The radio communication of the system is reliable, the tags are robust and thanks to ePaper technology the last received information will continue to be displayed even if there is a total outage of systems on site. Digitalisation is a complex and dynamic topic which brings with it many possibilities. With out years of experience in retail and in the industry we will help you to find the right system. You can rely on our support!

Functional diagram of data communication

Our ZB and ZV Range

Using modern technology, the Z range sets itself apart from the market and sets new standards for speed of information transfer. The Z range was developed to deal with growing demand particularly within industry. The system combines the advantages of wireless and cloud structure so is prepared for future technological developments.With our Z range you can determine the architecture yourself choose between our modern cloud, a central installation in your company headquarters or a local installation.

The ZB and ZV labels are differentiated mainly in that the ZB label is fitted with a front panel to offer additional protection and the ZV label is not fitted with this panel to minimise reflection.

ZV Characteristics

- slim design
- supports NFC and QR codes
- sizes 1.5″ – 13.1″
- exchangeable batteries
- controllable LEDs

ZB Characteristics

- ultra slim design 7.5 mm
- IP67 optional
- supports NFC and QR codes
- sizes 1.8″ – 7.5″
- exchangeable batteries
- controllable LEDs

2402 – 2480 Mhz / 79 channels

Transmission

AES128 – HTTPS

Encryption

Bidirectional

ZV / ZB Range

ZV Range

C15ZV

C21ZV

C26ZV

C29ZV

C42ZV

ZB Range

C18ZB

C21ZB

C26ZB

C29ZB

C42ZB

Other label sizes can be found in the adjacent table.

Technical Details ZV / ZB Range

	Total size	Display size (px/mm)	Colour	dpi	Power supply	NFC	Env. temp	LED
C15ZV	44.5 x 35.9 x 12.1 mm	200 x 200 | 27 x 27	B/W/R*	188 dpi	1x CR2450	✓	0–40 °C	✓
C18ZV	52.5 x 35.9 x 10.5 mm	224 x 168 | 36.1 x 27.1	B/W/R*	158 dpi	1x CR2450	✓	0–40 °C	✓
C21ZV	70 x 34.5 x 12.1 mm	250 x 122 | 48.6 x 23.7	B/W/R*	130 dpi	2x CR2450	✓	0–40 °C	✓
C26ZV	83 x 41 x 12.1 mm	296 x 152 | 60.1 x 30.7	B/W/R*	125 dpi	2x CR2450	✓	0–40 °C	✓
C29ZV	90 x 41 x 12.1 mm	296 x 128 | 66.9 x 29.1	B/W/R*	112 dpi	2x CR2450	✓	0–40 °C	✓
C42ZV	104.8 x 87 x 12.8 mm	400 x 300 | 84.8 x 63.6	B/W/R*	119 dpi	2x CR2450	✓	0–40 °C	✓
C58ZV	135.4 x 110 x 9 mm	648 x 480 | 118.8 x 88.2	B/W/R*	138 dpi	4x CR2430	✓	0–40 °C	X
C75ZV	180.8 x 121.8 x 9 mm	880 x 528 | 163.2 x 97.9	B/W/R*	137 dpi	4x CR2430	✓	0–40 °C	X
C116ZV	266.3 x 190 x 9 mm	960 x 640 | 244.5 x 163	B/W/R*	100 dpi	4x CR2430	✓	0–40 °C	X
C133ZV	298.3 x 225.5 x 9 mm	960 x 680 | 275.5 x 195.2	B/W/R*	88 dpi	4x CR2430	✓	0–40 °C	X
C18ZB	54.2 x 36.9 x 9.9 mm	224 x 168 | 36.1 x 27.1	B/W/R*	158 dpi	1x CR2450	✓	0–40 °C	✓
C21ZB	71 x 34.7 x 9.5 mm	250 x 122 | 48.6 x 23.7	B/W/R*	130 dpi	2x CR2430	✓	0–40 °C	✓
C26ZB	85 x 41 x 7.5 mm	296 x 152 | 60.1 x 30.7	B/W/R*	125 dpi	2x CR2430	✓	0–40 °C	✓
C29ZB	92 x 41.5 x 7.5 mm	296 x 128 | 66.9 x 29.1	B/W/R*	112 dpi	2x CR2430	✓	0–40 °C	✓
C42ZB	103.6 x 87 x 10.3 mm	400 x 300 | 84.8 x 63.6	B/W/R*	119 dpi	2x CR2450	✓	0–40 °C	✓
C58ZB	132 x 109 x 13 mm	648 x 480 | 118.8 x 88.2	B/W/R*	138 dpi	4x CR2450	✓	0–40 °C	✓
C75ZB	176.8 x 124.3 x 13 mm	800 x 480 | 163.2 x 97.9	B/W/R*	124 dpi	4x CR2450	✓	0–40 °C	✓
E58ZV	135.4 x 110 x 9 mm	600 x 448 | 114.9 x 85.8	B/W/R/G/BL/Y/O*	132 dpi	4x CR2430	✓	10–40 °C	X
F73ZV	180.8 x 121.8 x 9 mm	800 x 480 | 160 x 96	B/W/R/Y*	127 dpi	4x CR2450	✓	0–40 °C	X

* B / W / R / G / BL / Y / O = black, white, red, green, blue, yellow, orange

Key

Total size

Colour

Power supply | up to 5 years | exchangeable

Environmental temperature

Display size (px/mm)

dpi Resolution

NFC

LED

Main characteristics

- slim design
- on 2402 – 2480 MHz basis
- supports NFC
- controllable LEDs
- with ePaper display technology
- individual template design

- bidirectional, cable free communication
- encrypted data transfer
- operates in environmental temperatures between 0 and 40°C
- excellent legibility with high contrast
- active battery and system monitoring

Still have questions? Please write to us at info@tronitag.com

Our BL and SL Range

The BL and SL range operate over a tried and tested bidirectional ZigBee transmission which has been in use for years for current Smarthome systems. This has the advantage that you can be sure through years of ZigBee protocol testing that disturbances by other systems are near eliminated.

Here too the BL and SL labels are differentiated by the front panel on the BL label offering further protection and the SL label without front panel to minimise reflection.

We are happy to advise you which system best suits your requirements and create for you a tailor made concept!

BL / SL Characteristics

- supports NFC, QR and barcodes
- individual template design
- bidirectional, cable free communication
- encrypted data transfer
- excellent legibility with high contrast

- active battery and system monitoring
- wide range of accessories
- plug&play solution without a big IT infrastructure
- high availability solution through backup technology
- several pages which can be switched automatically or by remote control

2400 - 2483 MHz / 16 channels

Transmission

AES128 – HTTPS

Encryption

Bidirectional

BL / SL Range with ZigBee

BL15

BL21

BL29

BL42

BL58

BL75

BL125

SL15

SL21

SL29

Freezer / iP67 /
BL29IF / BL29I

Technical Details BL / SL Range

	🔲 Total size	🖼 Display size (px/mm)	🎨 Colour	dpi	🔋 Power	NFC	🌡 Temp
BL15	39.6 x 48.3 x 14.8 mm	152 x 152 | 27.6 x 27.6	B / W / R	140 dpi	1x CR2477	✓	5 - 40 °C
BL21	72 x 36.8 x 14.3 mm	250 x 122 | 48.5 x 23.8	B / W / R	131 dpi	2x CR2450	✓	5 - 40 °C
BL29	89.6 x 41.2 x 14.3 mm	296 x 128 | 66.9 x 29.1	B / W / R	112 dpi	2x CR2450	✓	5 - 40 °C
BL29IF	93 x 45 x 15.7 mm	296 x 128 | 66.9 x 29.1	B / W	112 dpi	2x CR2450	✓	-25 - 10 °C
BL29I	93 x 45 x 15.7 mm	296 x 128 | 66.9 x 29.1	B / W	112 dpi	2x CR2450	✓	5 - 40 °C
BL42	104 x 88.4 x 14.3 mm	400 x 300 | 84.4 x 63.6	B / W / R	120 dpi	3x CR2450	✓	5 - 40 °C
BL58	137.4 x 108 x 14.3 mm	600 x 448 | 120 x 89.3	B / W / R	128 dpi	4x CR2450	✓	5 - 40 °C
BL75	180 x 127 x 14.3 mm	640 x 384 | 97 x 161.6	B / W / R	100 dpi	3x CR2450	✓	5 - 40 °C
BL125	293.6 x 231.5 x 18 mm	1304 x 984 | 252.9 x 190	B / W / R	131 dpi	8x AAAA	✓	5 - 40 °C
SL15	42 x 35 x 12 mm	152 x 152 | 27.6 x 27.6	B / W / R	140 dpi	1x CR2450	✓	5 - 40 °C
SL21	64 x 35 x 12 mm	212 x 104 | 48.5 x 23.8	B / W / R	111 dpi	2x CR2450	✓	5 - 40 °C
SL29	88 x 40 x 12 mm	296 x 128 | 66.9 x 29.1	B / W / R	112 dpi	2x CR2450	✓	5 - 40 °C

Key

🔲 Total size

🖼 Display size (px/mm)

🎨 Colour (B/W/R = black, white, red)

dpi Resolution

🔋 Power supply | up to 5 years | exchangeable

NFC NFC

🌡 Environmental temperature

Main characteristics

- with ePaper display technology
- supports NFC
- individual template design
- bidirectional, cable free communication
- encrypted data transfer
- ZigBee

- operates in environmental temperatures between 0 and 40°C
- excellent legibility with high contrast
- active battery and system monitoring
- wide range of accessories

Still have questions? Please write to us at info@tronitag.com

Possible Applications

ESL, originally developed primarily for price labeling, enjoys great popularity when used in other areas too and offers additional value. ESL, also called ePaper, is now used in areas of production too for process structuring and in the field of logistics for stock identification. Alternatively, used as door signage or as a promotion on your bar, the structure of ESL systems offers a colourful pallette of opportunities!

See for yourself with the following examples of use:

Retail

• classic price labeling
• flash sales / special promotions
• support for stocktaking
• additional information e.g. sizes for clothing
• call up websites via QR codes or NFC

Logistics

• display stock level
• pick by light
• display of items information
• automatic identification of hazardous materials and additional information

Gastronomy

- reception signage
- buffet labeling
- table reservations
- allergen identification

Offices

- labeling of meeting / training rooms
- connection to administrative software
- training: instructor / participant names
- training rooms

Production

- digital dockets
- display of machine maintenance
- display of production steps
- warehouse identification

Fixings for Every Setting

Regardless of the application, you can find the right fixings from us. We supply a versatile range of fixings for our ESL labels. Thanks to in house manufacture we can also produce bespoke solutions and be flexible to your requirements.

Shelves

Included in our range are fixing rails for the following shelf types:

Adams shelves | Detroit shelves | Fortezza shelves, glass shelves | glass risers | Hansa-Mertens shelves | Hermes shelves | wooden shelves | ITAB shelves | Linde shelves | Metal shelves | Otto-Kind shelves | Siegel wire baskets | Storebest shelves | Tegometall shelves | Tego hanging baskets and stacking baskets | feezer cabinets | universal adhesive strips | Wanzl wire baskets | Wire-Tech wire shelves

Pegwalls

Pegwall hook adapters for price labeling on pegwall hooks. The digital price labels are fixed to adapters and those then hung on the hooks. With the help of a guide rail already attached to the back, the angle of the pegwall hook adapter can be infinitely adjusted.

Tables and Counters

Impact resistant table and counter display in PET-G hold your digital price label at the perfect reading angle. As a manufacturer we are also able to make customised displays alongside our standard range.

Ceiling and Poster Rails

Hanging systems in PET-G for ceilings and poster rails.

We have different solutions in our range especially for large digital price signs or can make these to order.

Floor Spaces

Freestanding price stands in strong materials for floor areas, specifically for large labels - flexible price labelling.

Crates, Baskets & Other Fixings

Endless selection of fixing clips and displays.
From a simple stand to clips, hanging hooks and magnetic holders.

**Vaše první kroky
k digitalizaci**

Member of the VKF Renzel Group **VKF Renzel**